

SECRET**PRIORITY****1**

Declassification Review by NGA

OUT 62616

1967 JUL 17 23 22Z

P 172238Z JUL 67

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SECRET SECTION 1 OF 2. CITE NPIC 1276

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-969, 14 JUL 67.

((TEXT WHICH FOLLOWS IDENTICAL TO ABOVE CITED MISSION))

SECRET

END OF MESSAGE

S/C NOTE: ALSO PASSED

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Sanitized**SECRET**

GROUP 1
Excluded from automatic
downgrading and
declassification

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-969, 14 JUL 67.

THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMBAT TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C @CLEAR@, SC @SCATTERED CLOUD COVER@, HC @HEAVY CLOUD COVER@, H @HAZE@, CS @CLOUD SHADOW@, SD @SEMI-DARKNESS@, GC @GROUND COVER@, CF @CAMOUFLAGED@, O @OBLIQUITY@, AND GR @GROUND RESOLUTION@.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD@, F @FAIR@, OR P @POOR@. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL@ OR PT @PARTIAL@. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO@, NS @NONSTEREO@, OR PS @PARTIAL STEREO@.

AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT @21-75 MM@, MEDIUM @76-100 MM@, HEAVY @OVER 100 MM@, AND AUTOMATIC WEAPONS @ZPU-1, ZPU-2, AND ZPU-4@. IF THE CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED@.

MISSILES

CIFUENTES SAM ASSEMBLY AREA CU 2236N @8005W
SITE APPEARS ABANDONED.

OB -- NONE OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

RANCHO EL SAM SITE A33-2 CU 2223N @8010W

OB -- 6 EMPLACED LAUNCHERS, 13 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 5 ASSOCIATED VAN TRAILERS, A PROBABLE ACQUISITION RADAR WITH GENERATOR VAN, 4 AT-5 TRACKED PRIME MOVERS, 11 ZIL-157V TRUCK TRACTORS, 20 CARGO TRUCKS, AND 3 OTHER VAN TRAILERS.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

SANTA CLARA SAM SITE A34-2 CU 2229N @8000W

OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES@, 11 MISSILE TRANSPORTERS, A GUIDANCE AREA WITH FAN SONG RADAR AND 6 ASSOCIATED VAN TRAILERS, AN ACQUISITION RADAR WITH GENERATOR VAN, 12 CARGO TRUCKS, AND 6 OTHER VEHICLES.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 CU 2228N @8018W

OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES@, 11 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, A PROBABLE ACQUISITION RADAR WITH GENERATOR VAN, 13 ZIL-157V TRUCK TRACTORS, 2 CARGO TRUCKS, 1 TRUCK-MOUNTED CRANE, AND 1 OTHER VAN TRAILER.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

CONSTANCIA SAM SITE A14-2 CU 2214N @8030W

OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES@, 13 MISSILE TRANSPORTERS, A GUIDANCE AREA WITH FAN SONG RADAR AND 6 ASSOCIATED VAN TRAILERS, AN ACQUISITION RADAR WITH GENERATOR VAN, 9 TRACKED PRIME MOVERS, 36 CARGO TRUCKS, AND 4 OTHER VEHICLES.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 2229N 07956W
OB -- 25 FAGOT/ERESCO AND 1 HOUND

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W
OB -- 1 CRATE, 1 C-47, 3 COLT, 1 LIAISON, AND 12 HOUND.

CORONEL PASCUAL AIRFIELD CU 2307N 08117W
OB -- NONE OBSERVED.

JAIME GONZALES AIRFIELD CU 2209N 08024W
OB -- NONE OBSERVED.

NAVAL ACTIVITY/PORTS

CIENFUEGOS NAVAL BASE CU 2208N 08027W
OB -- 2 KRONSTADT-CLASS PC, 9 P-6-CLASS PT, AND 4
P-4-CLASS PT.
OTHER VESSELS -- 1 LARGE FREIGHTER AND 1 LARGE TANKER.

NOEVITAS PORT CU 2132N 07715W
VESSELS -- 3 LARGE FREIGHTERS.

LA ISABELA PORT CU 2256N 08000W
VESSELS -- 5 LARGE PROBABLE FREIGHTERS.

CARDENAS PORT CU 2302N 08111W
VESSELS -- 1 LARGE FREIGHTER AND 1 COASTAL FREIGHTER.

CASILDA PORT CU 2145N 07959W
VESSELS -- 1 LARGE FREIGHTER.

MATANZAS PORT CU 2302N 08134W
VESSELS -- 5 FREIGHTERS.

ELECTRONICS/COMMUNICATIONS

SANTA CLARA EW/GCI RADAR SITE CU 2229N 07956W
OB -- 4 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

SAN MIGUEL EW/GCI RADAR SITE CU 2229N 07953W
OB -- 1 TOKEN-CONFIGURED RADAR.

MILITARY ACTIVITY

JURAGUA MILITARY ACTIVITY CU 2209N 08035W
OB -- NONE OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

LIMONAR MILITARY CAMP SE CU 2255N 08124W
OB -- 11 CARGO AND 2 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

LIMONAR TANK TRAINING AREA CU 2254N 08121W
OB -- 18 TANKS/SP GUNS.
NO APPARENT CHANGE IN FACILITIES.

MARTI ARMOR TRAINING AREA CU 2258N 08059W
OB -- 5 POSSIBLE TRUCK MOUNTED ROCKET LAUNCHERS, 4

NO APPARENT CHANGE IN FACILITIES.

MINAS MILITARY CAMP CU 2127N 07754W
OB -- 19 TANKS/SP GUNS, 26 CARGO TRUCKS, AND 5 OTHER
VEHICLES.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN FACILITIES.

SANTA CLARA ARTILLERY TRAINING AREA CU 2222N 08000W
OB AREA 1H -- 5 FA PIECES, 4 AAA PIECES, 12 CARGO
TRUCKS, AND 1 VAN TRUCK. AREAS 2 AND 3H -- NONE

OBSERVED. AREA 4H -- 1 UTILITY TRUCK.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE AND 1 OCCUPIED
3-GUN AAA SITE.

NO APPARENT CHANGE IN FACILITIES.

SANTA CLARA MILITARY ACTIVITY CU 2220N 07957W
OB -- 3 PROBABLE CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

SANTA CLARA MILITARY CAMP SOUTH CU 2222N 07958W
OB -- 38 CARGO TRUCKS AND 3 CARGO TRAILERS.

NO APPARENT CHANGE IN FACILITIES.

LAS MERCEDES VEHICLE PARK CU 2224N 08001W
OB -- 5 SA-2 TRANSPORTERS, 1 AAA PIECE, 7 AT-S TRACKED
PRIME MOVERS, 14 CARGO TRUCKS, 34 VAN TRUCKS, 4 UTILITY
TRUCKS, AND 3 VAN TRAILERS.

ACTIVITY -- 1 DUMMY SA-2 SITE AND 1 OCCUPIED 6-GUN AAA
SITE.

NO APPARENT CHANGE IN FACILITIES.

CIENFUEGOS MILITARY ACTIVITY CU 2209N 08027W
OB -- 17 FA PIECES AND 16 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

CONDADO PROBABLE MILITARY INSTALLATION CU 2152N 07951W
OB -- 2 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

ENSENADA COLORADO LANDING BEACH CU 2202N 08025W
NO NEW MILITARY ACTIVITY OBSERVED.

MATANZAS MILITARY INSTALLATION SAN MARTIN CU 2301N 08101W
OB -- 46 FA PIECES, 12 AAA PIECES, 12 MORTARS, 11 AT-S
TRACKED PRIME MOVERS, 32 CARGO TRUCKS, AND 4 UTILITY
TRUCKS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE AND 1 OCCUPIED
3-GUN AAA SITE.

NO APPARENT CHANGE IN FACILITIES.

OTHER ACTIVITY
LAS ADRAS SUSPECT AREA CU 2202N 08022W
NO NEW MILITARY ACTIVITY OBSERVED.

RANCHUELO SUSPECT AREA CU 2224N 08000W
NO NEW MILITARY ACTIVITY OBSERVED.

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE

VARADERO LOW SIEVE RADAR SITE	2311N 08108W
MATANZAS LANDING BEACH	2301N 08120W
CIENFUEGOS LANDING BEACH	2202N 08036W
CAYO DE SABINAL LANDING BEACH	2144N 07728W
PENINSULA DE HICACOS LANDING BEACH	2311N 08130W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

LA CATALINA SAM SITE A34-2	2259N 08200W
SAN JOSE DE LAS LAJAS CRUISE-MSL STORAGE	2255N 08210W
MANZANILLO PORT	2021N 07707W
LA CHARCA MILITARY ACTIVITY	2246N 08036W